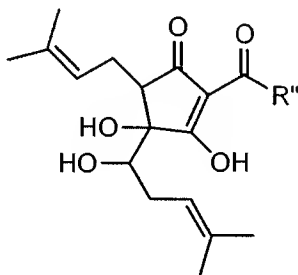


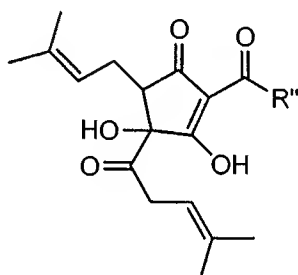
AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A composition comprising a reduced isoalpa acid (RIAA) of chemical structure:



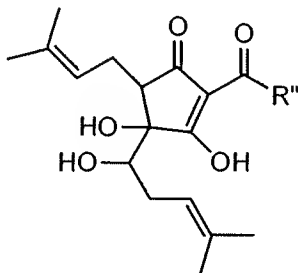
and isoalpa acid (IAA) of chemical structure:



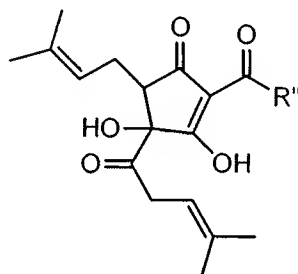
wherein R'' is selected from the group consisting of $\text{CH}(\text{CH}_3)_2$, $\text{CH}_2\text{CH}(\text{CH}_3)_2$, and $\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3$, wherein the RIAA and IAA are in a therapeutically effective anti-inflammatory ratio of about 3:1 to about 1:10 and wherein said RIAA and IAA individually comprise at least 0.1% of the composition.

2. (Previously Presented) The composition of claim 1, wherein said isoalpa acid is selected from isohumulone, isocohumulone, and isoadhumulone.
3. (Previously Presented) The composition of claim 1, wherein said reduced isoalpa acid is selected from dihydro-isohumulone, dihydro-isocohumulone, and dihydro-adhumulone.

4. (Currently Amended) A method for reducing PGE2 mediated inflammation, comprising administering a composition comprising a reduced isoalpa acid (RIAA) of chemical structure:



and isoalpa acid (IAA) of chemical structure:

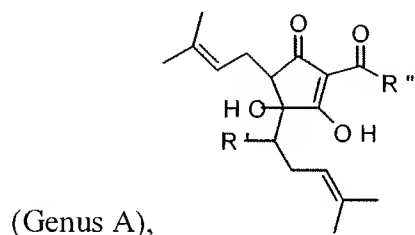


wherein R'' is selected from the group consisting of $\text{CH}(\text{CH}_3)_2$, $\text{CH}_2\text{CH}(\text{CH}_3)_2$, and $\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3$, wherein the RIAA and IAA are in a therapeutically effective anti-inflammatory ratio of about 3:1 to about 1: 10 and wherein said RIAA and IAA individually comprise at least 0.1% of the composition.

5. (Previously Presented) The method of claim 4, wherein said isoalpa acid is selected from isohumulone, isocohumulone, and isoadhumulone.

6. (Previously Presented) The method of claim 4, wherein said reduced isoalpa acid is selected from dihydro-isohumulone, dihydro-isocohumulone, and dihydro-adhumulone.

7. (Previously Presented) A method for reducing PGE2 mediated inflammation, comprising administering at least two compounds of Genus A having the formula:



wherein R' is selected from the group consisting of carbonyl, and hydroxyl,;

and wherein R'' is selected from the group consisting of $\text{CH}(\text{CH}_3)_2$, $\text{CH}_2\text{CH}(\text{CH}_3)_2$, and $\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3$, wherein the two compounds are in a ratio of about 3:1 to about 1:10 of reduced isoalpa acid (RIAA) to isoalpa acid (IAA) and wherein said RIAA and IAA individually comprise at least 0.1% of the composition.

8. (Previously presented) The composition of claim 1, wherein the reduced isoalpa acid (RIAA) and isoalpa acid (IAA) are derived from hops.

9. (Previously presented) The method of claim 4, wherein the reduced isoalpa acid (RIAA) and isoalpa acid (IAA) are derived from hops.